

Edfsdfs

3. Event coverage only requires that each event occurs once this ensures very little certainty as it does not consider errors that might occur if events follow a different order but it is fairly quick and easy to write test to achieve this coverage. Event-interaction Coverage is better in that it requires any possible event at a vertex to be tested at least once, by doing this level of test coverage it ensures weeding out errors that could occur in two event sequences. Event-interaction is the next step up yet it is significantly more time consuming compared to event coverage testing. Both event coverage and event-interaction coverage do not test for the context in which a test is performed. Length-n Events-sequences test all possible paths in the graph of length n. This type of testing is very thorough but requires E^n tests where E is the number of events and n is the length number, this is very time consuming and difficult for the writer of the tests to completely define.
4. By not restricting the UI to only add 2 TODO items it does not actually test that adding a another TODO item is restricted after 2 additions. Another issue with only testing a 2 limit item TODO list is that it is not really possible to check that if one item is removed that the remaining list is in order as there is only one element left after the first removal and that one element can not be out of order as it is the only item on the list. At the same time a 2 limit item test allows for much thorough testing, if a person were to do Length-n event-sequence coverage all possible scenarios can be tested and it would catch most bugs that a larger item limit test would but with significantly less time, since the flow graph for a 2 item limit has much less nodes. Alternatively, if someone were to attempt to have proper test cover with a 5 item limit not only would it be very difficult to test all possible scenarios but for more simple test coverage are more likely to be inaccurately written as many more elements need to be compared.